Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/16/2022 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124486	-1	1.40	124461	1.37
Blue	F	SSC	125000	122763	-2	2.39	123327	2.24
Blue	E	FITC	13602	13215	-3	2.41	369	13.27
Blue	D	PE	24891	24437	-2	1.86	581	10.64
Blue	B	PerCP-Cy5-5	33972	33294	-2	3.11	951	15.25
Blue	A	PE-Cy7	22865	22554	-2	5.13	469	31.38
Red	C	APC	47198	46635	-2	2.82	1613	11.34
Red	A	APC-Cy7	26454	25411	-4	3.31	718	12.10
Violet	B	V450	6737	6383	-6	3.56	441	11.28
Violet	A	V500	29317	27697	-6	3.10	945	8.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24278	2.65	540	5	N/A	N/A	Pass
Blue	F	SSC	55018	2.03	520	-1	N/A	N/A	Pass
Blue	E	FITC	54	54.62	489	5	0.0455	111	Pass
Blue	D	PE	113	39.41	492	6	0.3956	318	Pass
Blue	B	PerCP-Cy5-5	149	42.77	585	6	0.0190	87	Pass
Blue	A	PE-Cy7	77	79.62	628	7	0.0208	0	Pass
Red	C	APC	335	26.42	572	0	0.0300	279	Pass
Red	A	APC-Cy7	133	35.36	549	-2	0.0069	1728	Pass
Violet	B	V450	76	46.21	452	2	0.0602	2329	Pass
Violet	A	V500	111	30.18	471	2	0.0261	740	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.52	-31.31	0.99
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.47	13.90 - 20.86	N/A	N/A	29.69	29.91	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10316

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments